

APR 27 2011

Appl. No. 10/550,841
Amdt. Dated April 27, 2011
Reply to Office Action of October 27, 2010

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A fuel cell system comprising:

a fuel cell;

an electronic device and wherein fuel and/or water for the fuel cell transfer heat from the electronic device to another structure of the fuel cell; and

wherein the electronic device is driven by electric power supplied from the fuel cell, and further wherein the electronic device is a device that operates separately from the fuel cell and receives electrical energy from the fuel cell and provides heat energy to the fuel cell that is derived from the electrical energy provided by the fuel cell; the electronic device performing operations that are not related to the generation or transfer of electrical energy from the fuel cell, ~~wherein the electronic device is a thermally integrated load of the fuel cell.~~

2. (Previously Presented) The fuel cell system according to claim 1, further comprising a temperature-controlling means including a heat-transfer path that transfers a required quantity of heat.

3. (Original) The fuel cell system according to claim 2, wherein the heat-transfer path is a flow path of a fluid that mediates the heat transfer.

4. (Previously Presented) The fuel cell system according to claim 3, wherein the flow path is disposed so as to be adjacent to a heat sink that receives heat from the electronic device.

5. (Original) The fuel cell system according to claim 3, wherein the fluid is at least one of a fuel fluid and a fluid for oxidation used for a power generation.

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6. (Original) The fuel cell system according to claim 5, wherein the temperature of the at least one of the fuel fluid and the fluid for oxidation is controlled in the flow path.

7. (Previously Presented) The fuel cell system according to claim 1, further comprising a reformer, and wherein a temperature-controlling means controls the temperature of the reformer by heat transfer.

8. (Previously Presented) The fuel cell system according to claim 1, further comprising a carburetor, and wherein a temperature-controlling means controls the temperature of the carburetor by heat transfer.

9. (Previously Presented) The fuel cell system according to claim 1, further comprising a heat-exhausting means that exhausts an excessive quantity of heat transferred to the fuel cell.

10. (Original) The fuel cell system according to claim 9, wherein the heat-exhausting means is a heat-exhausting path that exhausts the excessive quantity of heat.

11. (Original) The fuel cell system according to claim 10, wherein the heat-exhausting path is a flow path of a fluid that transfers the excessive quantity of heat.

12. (Original) The fuel cell system according to claim 11, wherein the flow path is disposed so as to be adjacent to a heat sink provided outside of the fuel cell.

13. (Currently Amended) A method of generating power with a fuel cell system comprising:

performing heat transfer from an electronic device to a fuel cell system which provides power for the electronic device;

wherein performing heat transfer comprises transmitting fuel or water for the fuel cell system adjacent to the electronic device or a heat sink attached to the electronic device; and processing the fuel or water that has been heated by the electronic device with the fuel cell system, and further wherein the electronic device is a device that operates separately from the fuel cell and receives electrical energy from the fuel cell and provides heat energy to the fuel

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cell that is derived from the electrical energy provided by the fuel cell, the electronic device performing operations that are not related to the generation or transfer of electrical energy from the fuel cell, ~~wherein the electronic device is a thermally integrated load of the fuel cell.~~

14. (Currently Amended) Electrical equipment comprising:

a source of heat generation;

a fuel cell system including a fuel cell, wherein the source of heat generation is an electronic device and fuel or water for the fuel cell system transfer heat from the electronic device to another structure of the fuel cell system; and

wherein the electrical equipment is driven by an electric power supplied from the fuel cell system; and further wherein the electronic device is a device that operates separately from the fuel cell and receives electrical energy from the fuel cell and provides heat energy to the fuel cell that is derived from the electrical energy provided by the fuel cell, the electronic device performing operations that are not related to the generation or transfer of electrical energy from the fuel cell, ~~wherein the electronic device is a thermally integrated load of the fuel cell.~~

15. (Canceled).

16. (Currently Amended) An electronic system comprising:

a fuel cell system including a fuel cell wherein an electronic device of the electronic system or a heat sink attached thereto is in direct contact with at least one of either a reformer, a carburetor or a fuel cell of the fuel cell system for transferring heat generated by the electronic device; and

wherein the electrical electronic system is driven by an electric power supplied from the fuel cell system, and further wherein the electronic device is a device that operates separately from the fuel cell and receives electrical energy from the fuel cell and provides heat

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energy to the fuel cell that is derived from the electrical energy provided by the fuel cell, the electronic device performing operations that are not related to the generation or transfer of electrical energy from the fuel cell, ~~wherein the electronic device is a thermally integrated load of the fuel cell.~~

Claims 17-18 (Cancelled).

Please add the following new claims:

19. (New). The fuel cell system according to claim 1, wherein the fuel cell and the electronic device are housed in a common casing.
20. (New). The method of generating power with a fuel cell system according to claim 13, wherein the fuel cell and the electronic device are housed in a common casing.
21. (New). The electrical equipment according to claim 14, wherein the fuel cell and the electronic device are housed in a common casing.
21. (New). The electronic system according to claim 16, wherein the fuel cell and the electronic device are housed in a common casing.